

Report No.:

Test Time: 2021/1/25 17:35

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: CHANNEL

Lamp Catalog: RIBBONLYTE

Number of Lamps: 2 ROWS

Luminous Width (mm): 44.4

Voltage: 24.0 V

Power: 10.36 W

Luminaire Description: AR30

Lamp Description: RB90SWS2203.030

Luminous Length (mm): 500

Luminous Height (mm): 14

Current: 0.432 A

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 577.5 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H160.7,H111.6

Vertical Diffuse Angle(10%,50%): V162.9,V111.9

Luminaire Efficacy Rating (LER): 56

Max. Intensity: 202 cd

Total Rated Lamp Lumens: 577.5 lm

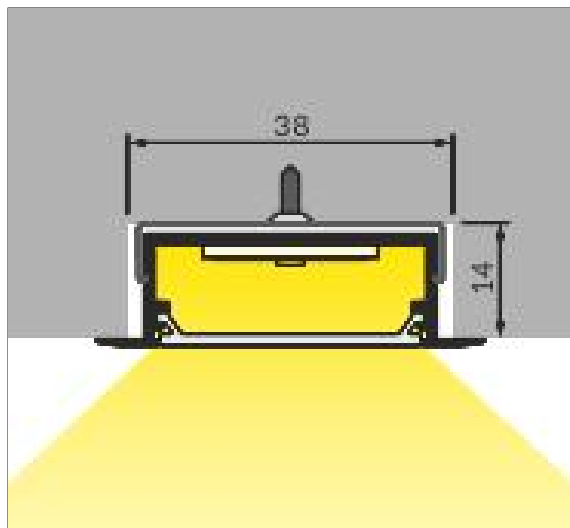
Efficiency: 100%

Upward Ratio: 1%

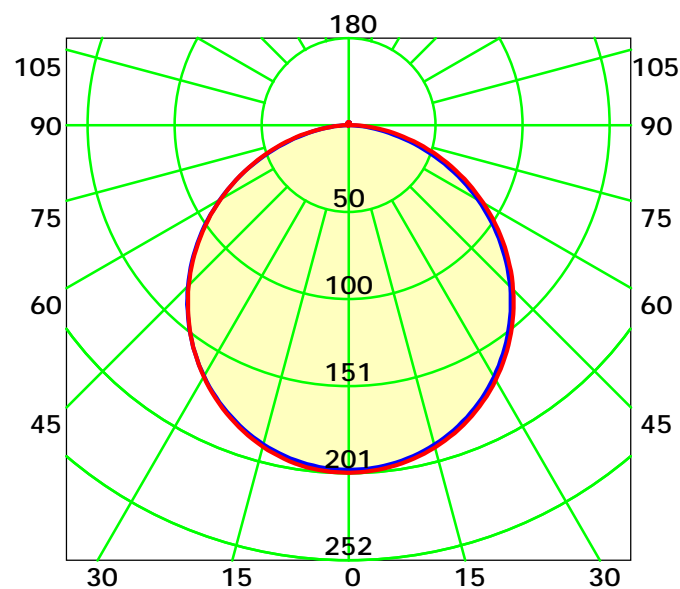
Central Intensity: 199.98 cd

Pos of Max. Intensity: H150 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 111.7° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0

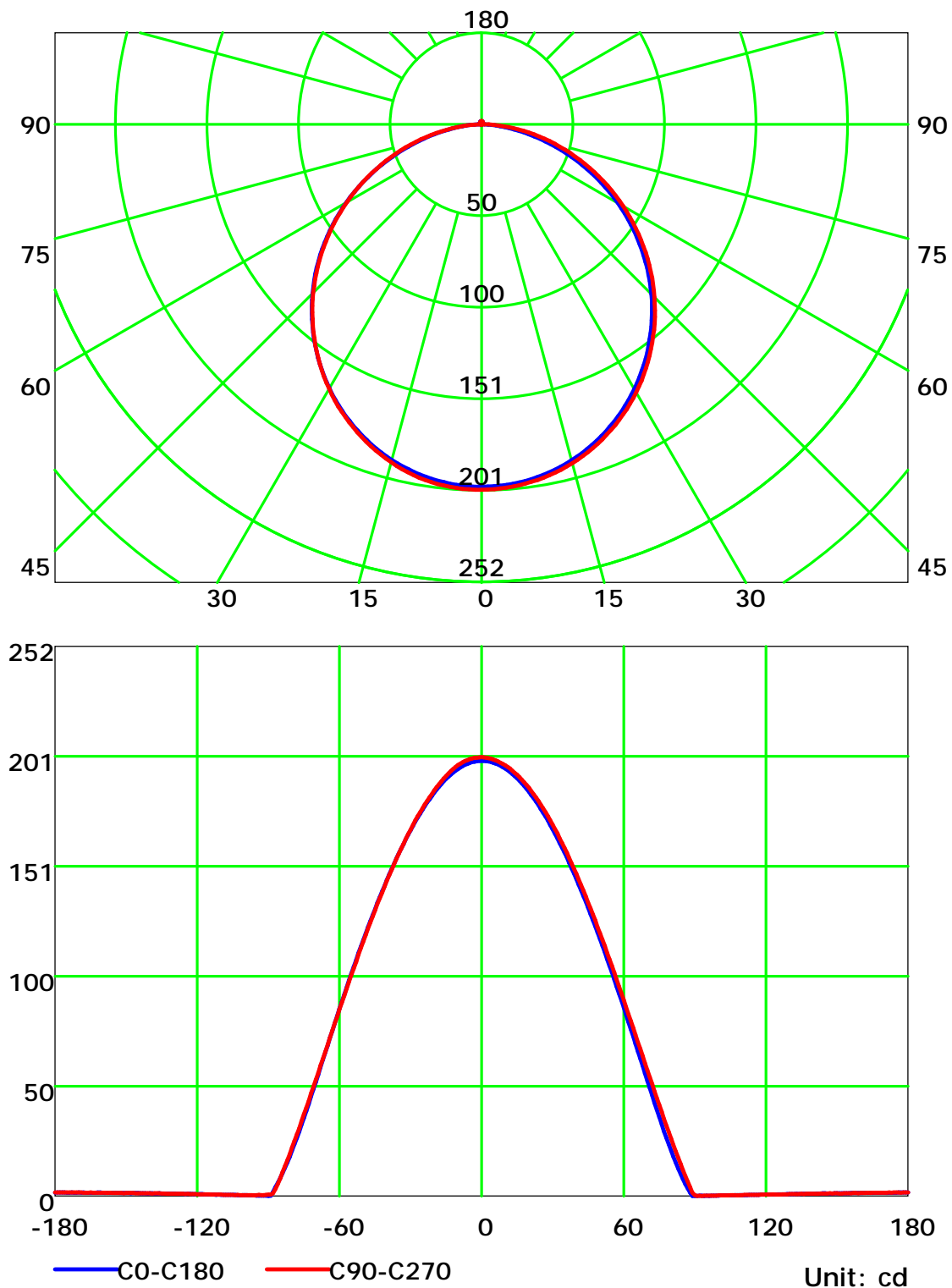
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0:1.0

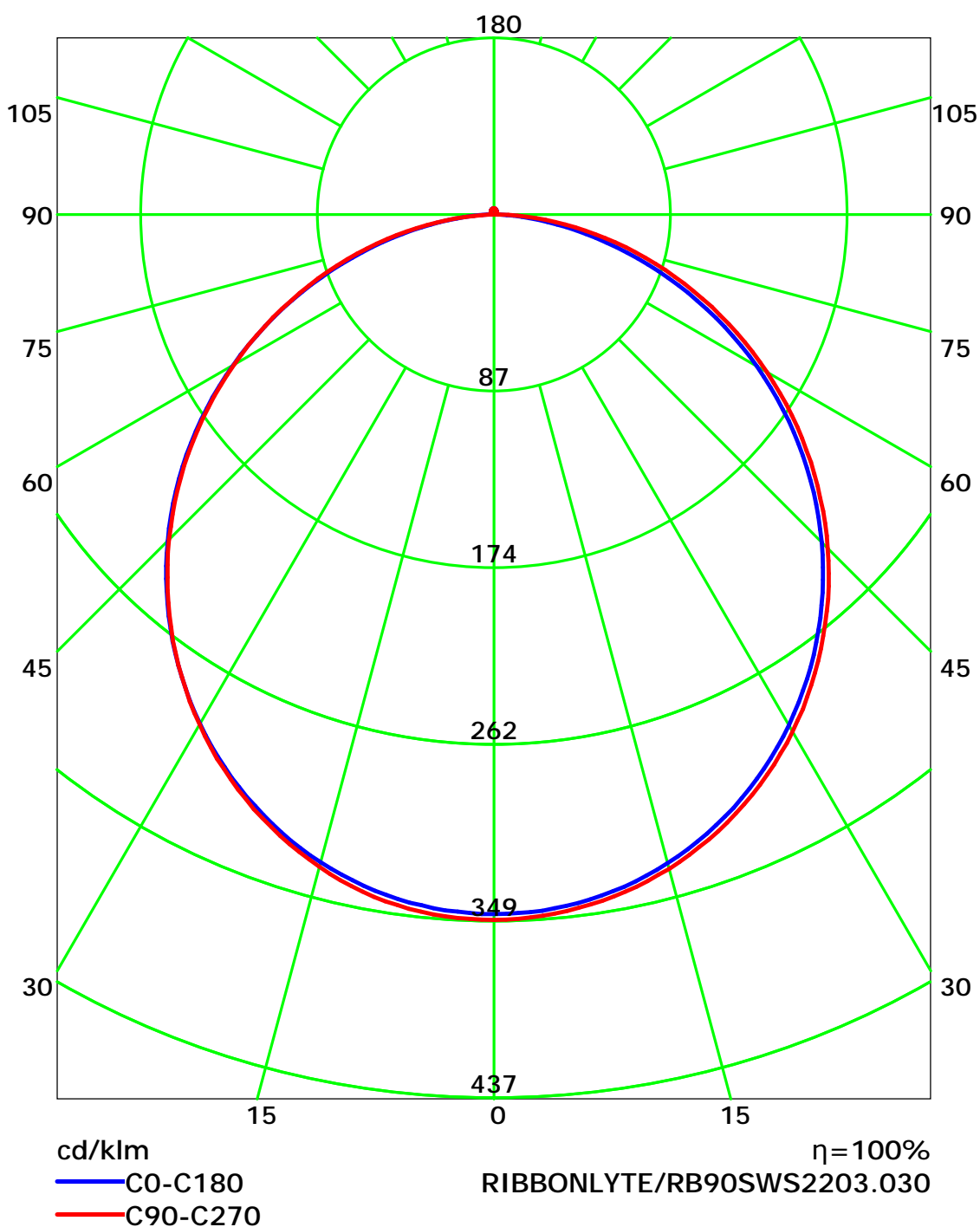
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

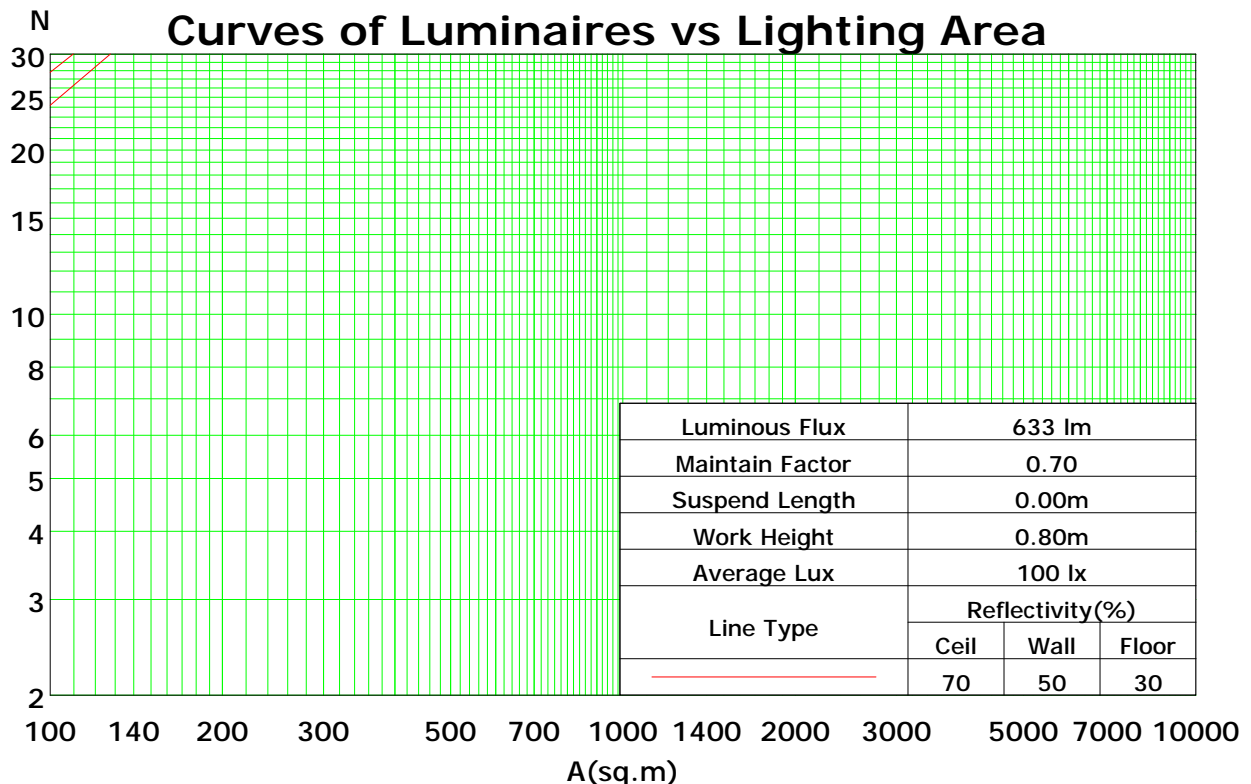
## Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	64	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	76	63	54	47	73	61	53	47	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.25

Spacing Criteria (Diagonal): 1.37



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0

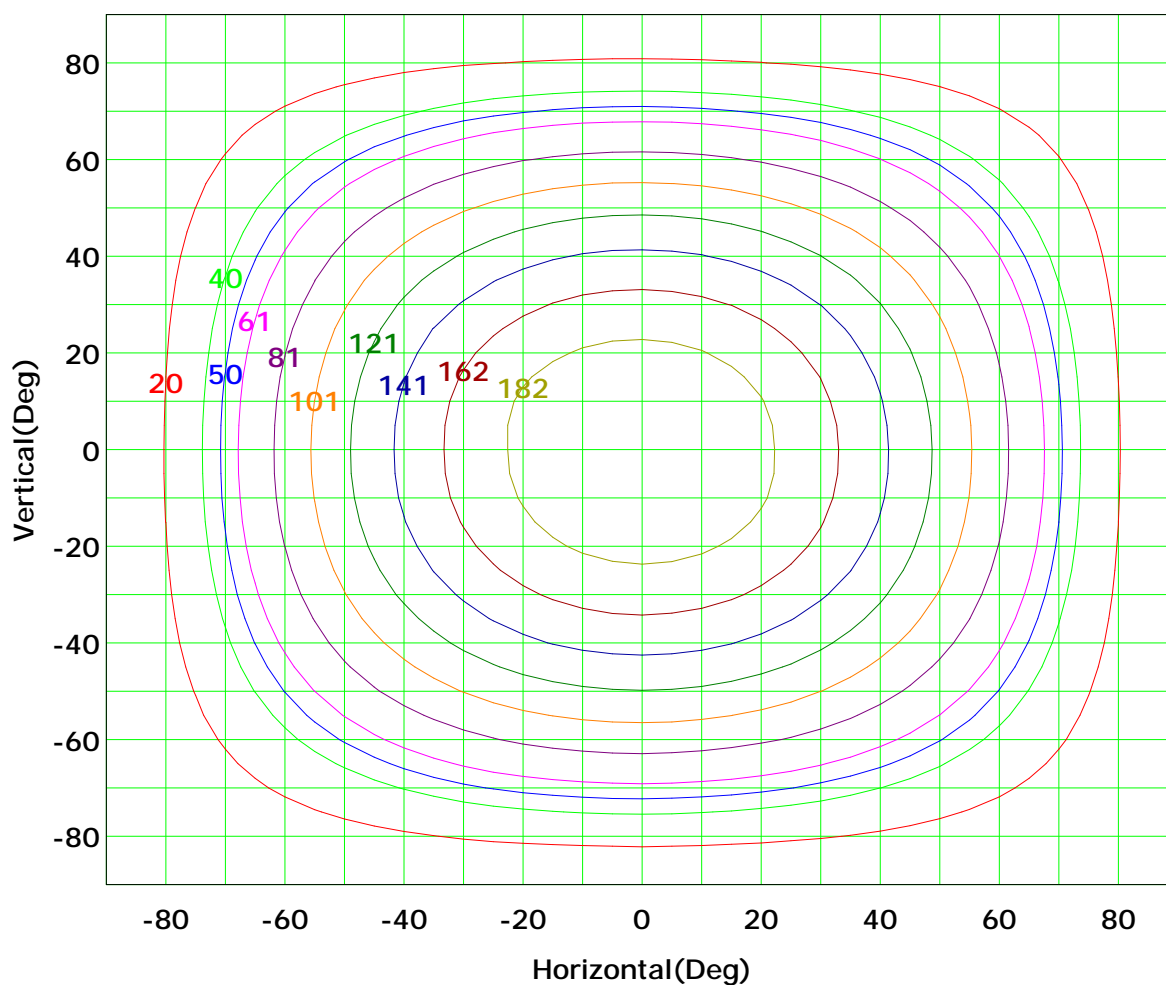
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



Imax (100%): 202 cd

( 10%): 20 cd	( 20%): 40 cd
( 25%): 50 cd	( 30%): 61 cd
( 40%): 81 cd	( 50%): 101 cd
( 60%): 121 cd	( 70%): 141 cd
( 80%): 162 cd	( 90%): 182 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0:1.0

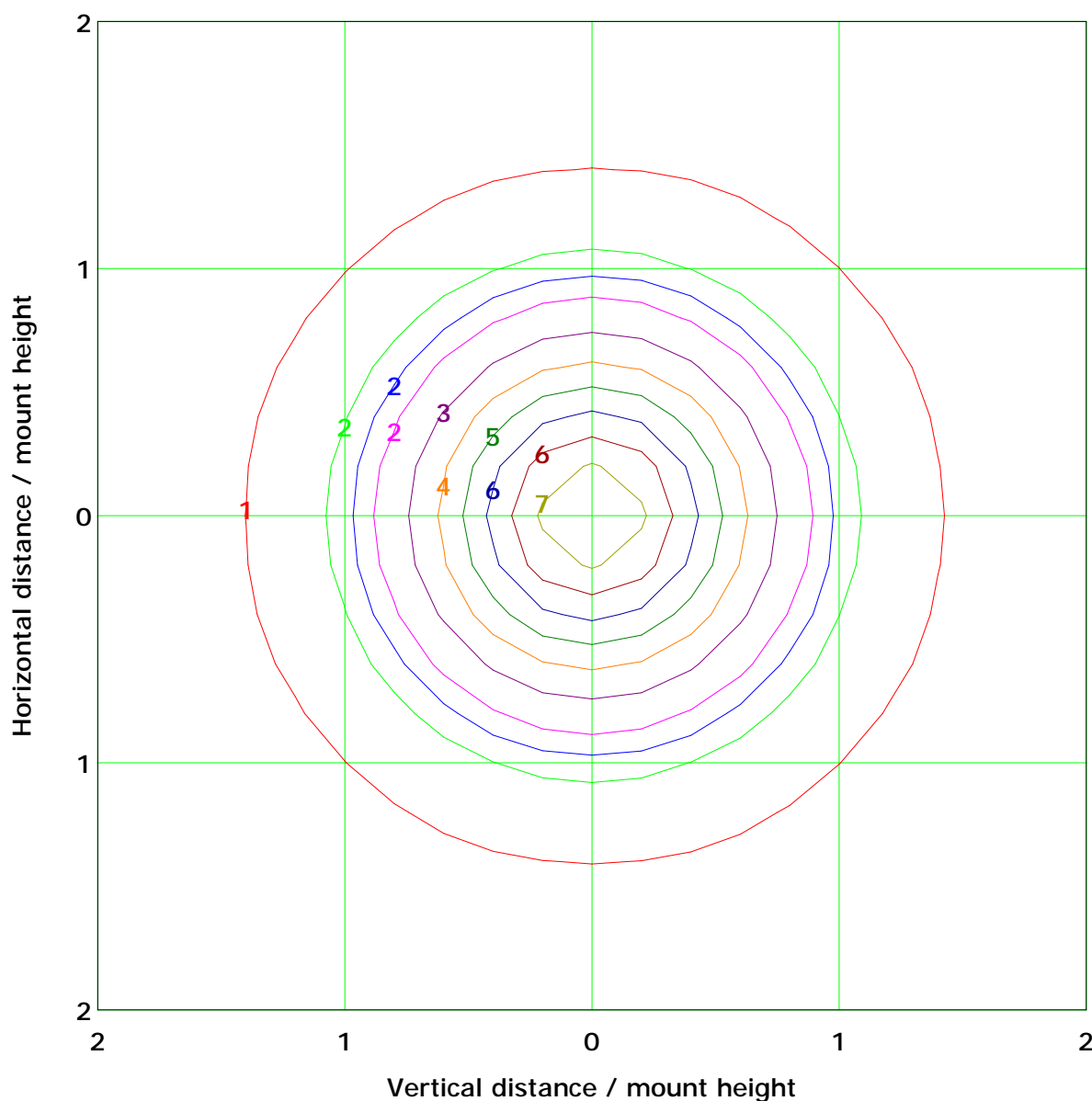
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 8.1 lx

( 10%): 0.8 lx	( 20%): 1.6 lx
( 25%): 2.0 lx	( 30%): 2.4 lx
( 40%): 3.2 lx	( 50%): 4.0 lx
( 60%): 4.8 lx	( 70%): 5.7 lx
( 80%): 6.5 lx	( 90%): 7.3 lx

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

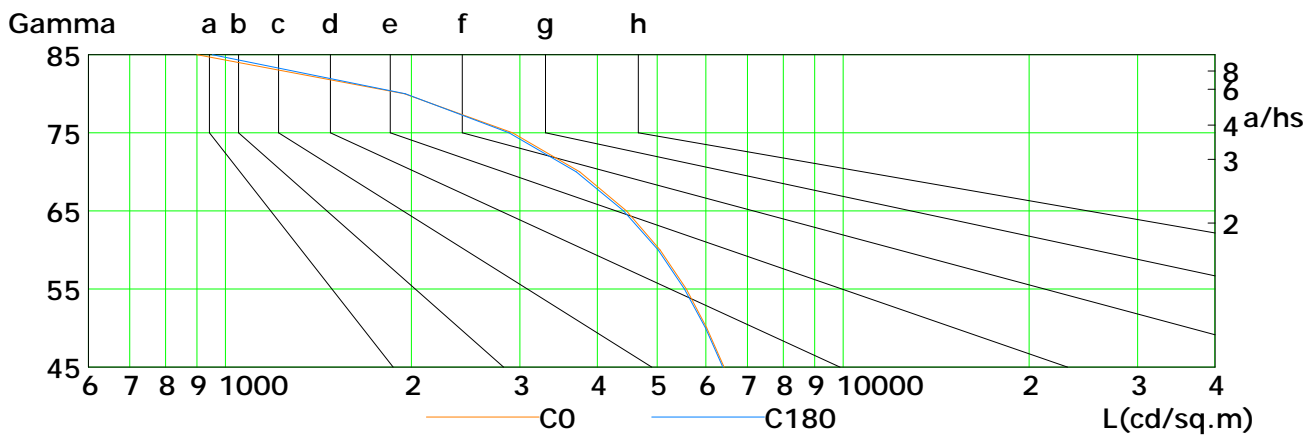
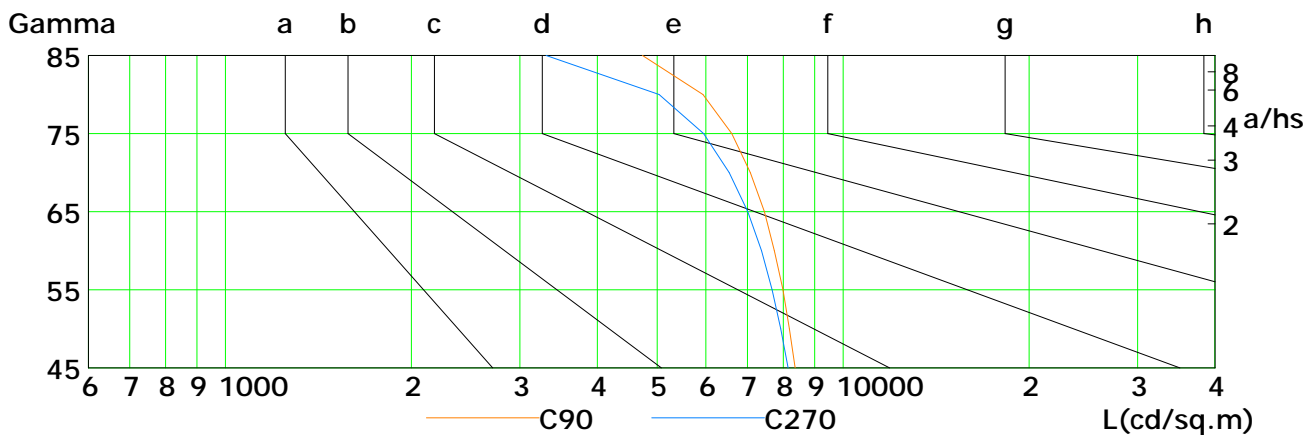
Inspector:



## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	6422	6019	5575	5057	4459	3747	2918	1948	899
C90	8363	8193	7996	7745	7458	7078	6607	5930	4737
C180	6389	5990	5538	5018	4411	3701	2881	1956	953
C270	8145	7929	7676	7376	7011	6542	5944	5039	3308

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0:1.0

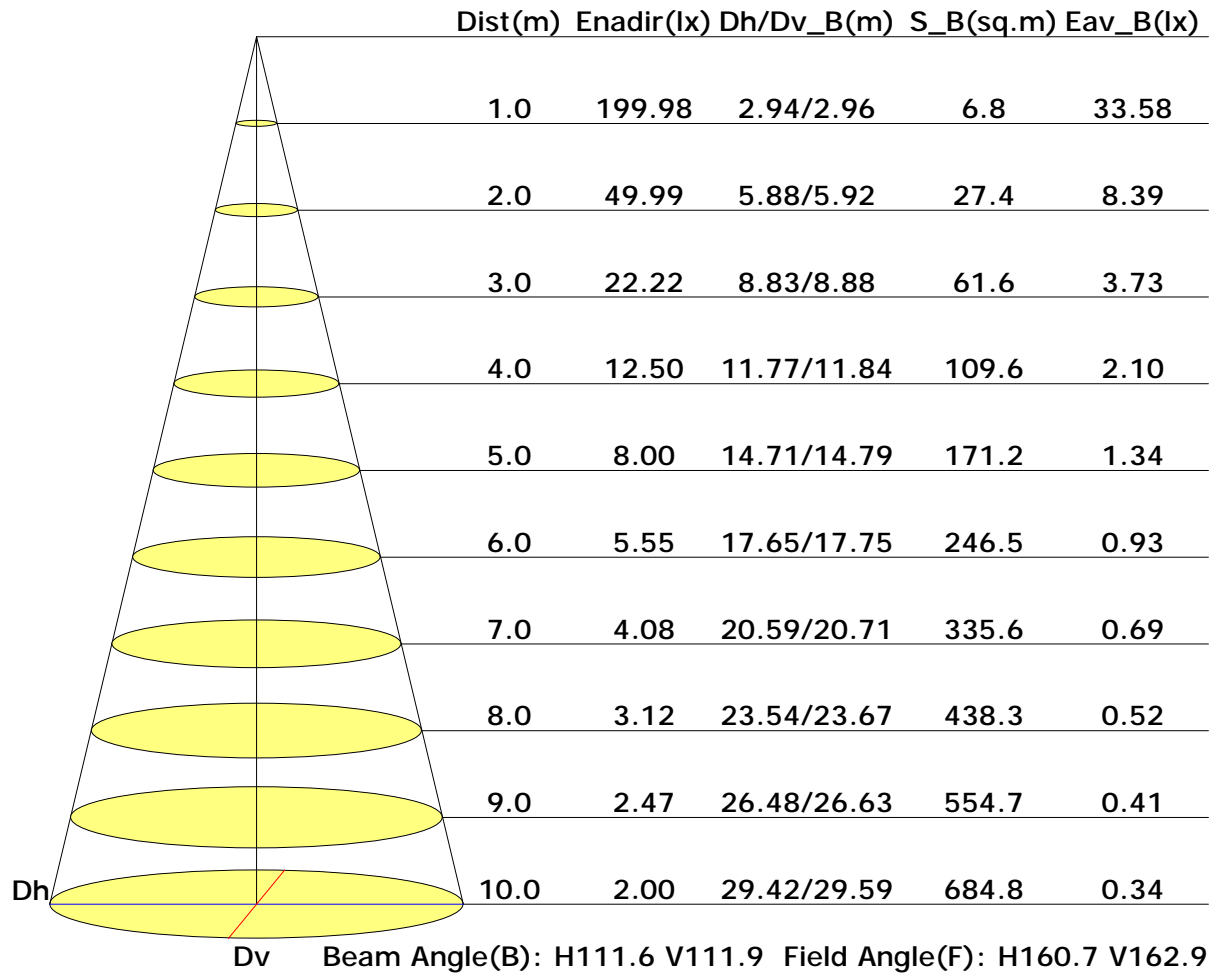
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

Distance: 9.028 m

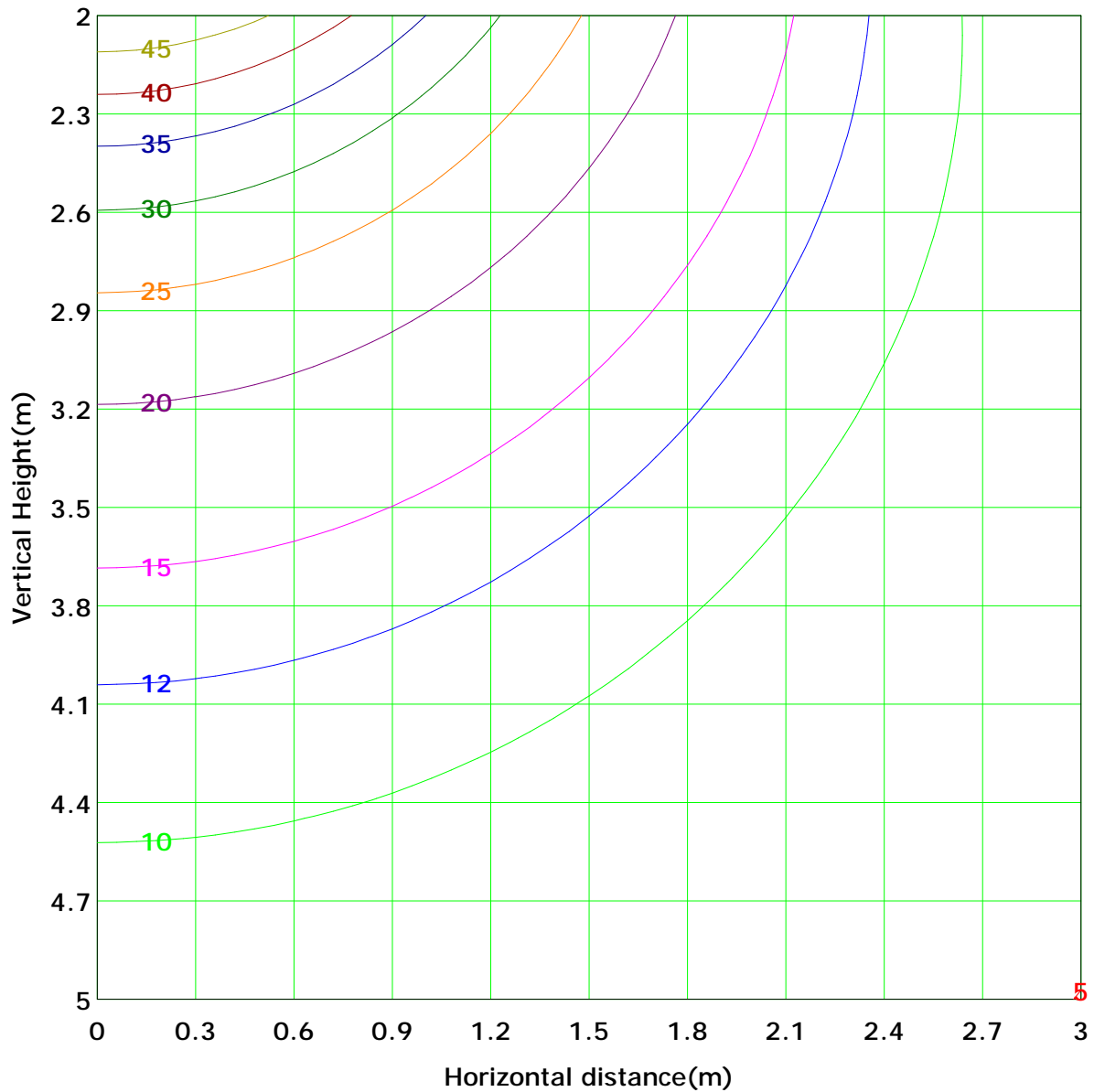
Humidity: 60%

Inspector:





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 50.0 lx
( 10%): 5.0 lx	( 20%): 10.0 lx	
( 25%): 12.5 lx	( 30%): 15.0 lx	
( 40%): 20.0 lx	( 50%): 25.0 lx	
( 60%): 30.0 lx	( 70%): 35.0 lx	
( 80%): 40.0 lx	( 90%): 45.0 lx	

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Area Flux Table

Unit: lm

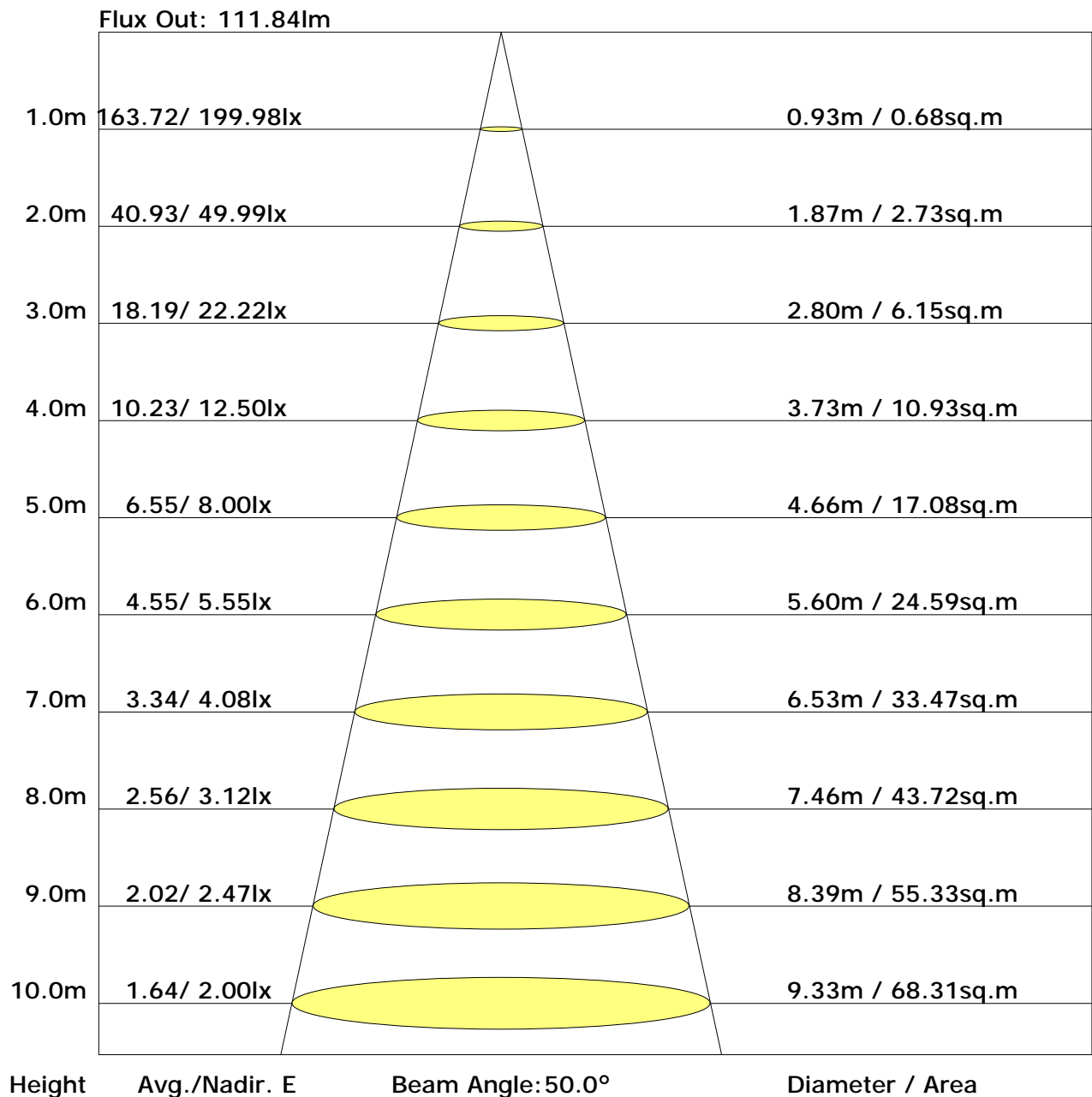
		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Flux(E)	Flux(T)	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.2
		0.0	0.0	0.1	0.3	0.5	0.7	0.9	0.9	1.1	1.1	1.1	0.9	0.7	0.5	0.3	0.2	0.0	0.0	0.0	9.7	8.6
0.0	0.3	0.1	0.3	0.6	1.0	1.3	1.7	1.9	2.1	2.1	2.0	1.7	1.4	1.0	0.6	0.3	0.2	0.1	0.0	0.0	18.1	17.8
0.0	0.1	0.4	0.9	1.4	2.0	2.5	2.8	3.1	3.1	2.9	2.5	2.0	1.4	0.9	0.4	0.1	0.0	0.0	0.0	0.0	26.6	26.4
0.0	0.2	0.6	1.1	1.8	2.6	3.2	3.7	4.0	4.0	3.7	3.2	2.6	1.9	1.2	0.6	0.2	0.0	0.0	0.0	0.0	34.5	34.4
0.0	0.2	0.7	1.4	2.2	3.1	3.8	4.4	4.7	4.7	4.4	3.9	3.1	2.3	1.4	0.7	0.2	0.0	0.0	0.0	0.0	41.4	41.3
0.0	0.3	0.8	1.6	2.5	3.5	4.3	5.0	5.4	5.4	5.0	4.4	3.5	2.5	1.6	0.8	0.3	0.0	0.0	0.0	0.0	46.9	46.8
0.0	0.3	0.9	1.7	2.7	3.8	4.7	5.4	5.8	5.8	5.4	4.7	3.8	2.7	1.7	0.9	0.3	0.0	0.0	0.0	0.0	50.7	50.7
0.0	0.3	0.9	1.8	2.8	3.9	4.9	5.6	6.0	6.0	5.6	4.9	3.9	2.8	1.8	0.9	0.3	0.0	0.0	0.0	0.0	52.6	52.5
0.0	0.3	0.9	1.8	2.8	3.9	4.9	5.6	6.0	6.0	5.6	4.9	3.9	2.8	1.8	0.9	0.3	0.0	0.0	0.0	0.0	52.6	52.5
0.0	0.3	0.9	1.7	2.7	3.8	4.7	5.4	5.8	5.8	5.4	4.7	3.8	2.7	1.7	0.9	0.3	0.0	0.0	0.0	0.0	50.9	50.8
0.0	0.3	0.8	1.6	2.5	3.5	4.4	5.1	5.4	5.4	5.1	4.4	3.5	2.6	1.6	0.8	0.3	0.0	0.0	0.0	0.0	47.3	47.2
0.0	0.2	0.7	1.4	2.3	3.1	3.9	4.5	4.8	4.8	4.5	3.9	3.1	2.3	1.4	0.7	0.2	0.0	0.0	0.0	0.0	42.1	42.0
0.0	0.2	0.6	1.2	1.9	2.6	3.3	3.8	4.1	4.1	3.8	3.3	2.6	1.9	1.2	0.6	0.2	0.0	0.0	0.0	0.0	35.4	35.3
0.0	0.1	0.5	0.9	1.5	2.1	2.6	3.0	3.2	3.2	3.0	2.6	2.1	1.5	0.9	0.5	0.1	0.0	0.0	0.0	0.0	27.6	27.4
0.0	0.1	0.3	0.6	1.0	1.4	1.8	2.1	2.2	2.2	2.1	1.8	1.4	1.0	0.6	0.3	0.1	0.0	0.0	0.0	0.0	19.2	18.9
0.0	0.1	0.2	0.3	0.6	0.8	1.0	1.2	1.3	1.3	1.2	1.0	0.8	0.6	0.3	0.2	0.1	0.0	0.0	0.0	0.0	10.7	9.8
0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.6
0.3	3.1	9.6	19.1	30.6	42.4	53.1	61.2	65.6	65.7	61.4	53.4	42.8	30.9	19.4	9.7	3.2	0.3	572				
0.0	2.5	9.1	18.6	30.1	41.9	52.6	60.7	65.1	65.2	60.9	52.9	42.3	30.4	18.9	9.2	2.6	0.0					563

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: Nick

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector:



## The Average Illuminance Effective Figure



## UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	20.6	22.3	21.0	22.6	22.9	20.0	21.7	20.4	22.0	22.3
3H	22.4	23.8	22.8	24.2	24.6	21.7	23.1	22.0	23.5	23.9
4H	23.0	24.4	23.4	24.7	25.1	22.2	23.6	22.6	24.0	24.4
6H	23.4	24.7	23.8	25.1	25.5	22.6	23.9	23.0	24.3	24.7
8H	23.5	24.7	24.0	25.2	25.6	22.7	23.9	23.1	24.3	24.7
12H	23.6	24.8	24.0	25.2	25.6	22.7	23.9	23.2	24.3	24.8
X=4H Y=2H	21.1	22.5	21.5	22.9	23.3	20.7	22.0	21.1	22.4	22.8
3H	23.0	24.2	23.5	24.6	25.0	22.5	23.6	22.9	24.1	24.5
4H	23.8	24.8	24.2	25.3	25.7	23.2	24.2	23.6	24.6	25.1
6H	24.3	25.2	24.8	25.7	26.2	23.6	24.6	24.1	25.0	25.5
8H	24.4	25.3	24.9	25.8	26.3	23.8	24.6	24.2	25.1	25.6
12H	24.5	25.3	25.0	25.8	26.3	23.9	24.6	24.3	25.1	25.6
X=8H Y=4H	24.0	24.8	24.5	25.3	25.8	23.4	24.3	23.9	24.7	25.2
6H	24.6	25.3	25.1	25.8	26.3	24.0	24.7	24.5	25.2	25.7
8H	24.8	25.4	25.3	25.9	26.4	24.2	24.8	24.7	25.4	25.9
12H	24.9	25.5	25.4	26.0	26.6	24.3	24.9	24.8	25.4	26.0
X=12H Y=4H	24.0	24.8	24.5	25.2	25.7	23.5	24.2	24.0	24.7	25.2
6H	24.6	25.2	25.1	25.7	26.3	24.1	24.7	24.6	25.2	25.7
8H	24.8	25.4	25.4	25.9	26.5	24.3	24.8	24.8	25.3	25.9

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.56	0.67	0.74	0.79	0.87	0.92	0.95	1.00	1.03
	0.30		0.48	0.59	0.67	0.72	0.80	0.86	0.90	0.96	0.99
	0.20		0.43	0.53	0.61	0.67	0.75	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.96	0.99
	0.30		0.47	0.58	0.65	0.70	0.78	0.83	0.87	0.92	0.96
	0.20		0.42	0.52	0.60	0.65	0.74	0.79	0.84	0.89	0.93
0.30	0.50	0.20	0.53	0.62	0.69	0.74	0.80	0.85	0.88	0.92	0.95
	0.30		0.47	0.56	0.63	0.69	0.76	0.81	0.84	0.89	0.92
	0.20		0.42	0.52	0.59	0.64	0.72	0.77	0.81	0.87	0.90
0.00	0.00	0.00	0.40	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85
<p>Rating: 10W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	1.00	0.83	0.70	0.61	0.49	0.41	0.35	0.27	0.22
	0.30		0.84	0.71	0.61	0.54	0.44	0.37	0.32	0.25	0.21
	0.20		0.72	0.62	0.55	0.49	0.40	0.35	0.30	0.24	0.20
0.50	0.50	0.20	0.96	0.79	0.68	0.59	0.47	0.42	0.33	0.26	0.21
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.71	0.61	0.53	0.48	0.39	0.33	0.29	0.23	0.19
0.30	0.50	0.20	0.94	0.76	0.65	0.56	0.45	0.37	0.32	0.24	0.20
	0.30		0.80	0.67	0.58	0.51	0.41	0.35	0.30	0.23	0.19
	0.20		0.70	0.60	0.52	0.47	0.38	0.32	0.28	0.22	0.19
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.17	0.14
Rating: 10W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.17	0.19	0.19	0.20	0.21	0.22	0.22	0.22	0.23	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19	
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.07	0.08	0.10	0.11	0.13	0.14	0.16	0.17	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Rating: 10W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	201.2	0.2	0.2	0.03	0.03
1.0-2.0	201.1	0.6	0.8	0.10	0.13
2.0-3.0	201.0	1.0	1.7	0.17	0.30
3.0-4.0	200.8	1.3	3.1	0.23	0.53
4.0-5.0	200.5	1.7	4.8	0.30	0.83
5.0-6.0	200.1	2.1	6.9	0.36	1.20
6.0-7.0	199.7	2.5	9.4	0.43	1.62
7.0-8.0	199.2	2.9	12.2	0.49	2.12
8.0-9.0	198.6	3.2	15.5	0.56	2.68
9.0-10.0	197.9	3.6	19.0	0.62	3.30
10.0-11.0	197.2	3.9	23.0	0.68	3.98
11.0-12.0	196.4	4.3	27.3	0.74	4.72
12.0-13.0	195.5	4.6	31.9	0.80	5.53
13.0-14.0	194.6	5.0	36.9	0.86	6.39
14.0-15.0	193.6	5.3	42.2	0.92	7.31
15.0-16.0	192.5	5.6	47.8	0.98	8.28
16.0-17.0	191.3	6.0	53.8	1.03	9.32
17.0-18.0	190.1	6.3	60.1	1.09	10.40
18.0-19.0	188.8	6.6	66.6	1.14	11.54
19.0-20.0	187.4	6.9	73.5	1.19	12.73
20.0-21.0	186.0	7.1	80.6	1.24	13.96
21.0-22.0	184.5	7.4	88.1	1.28	15.25
22.0-23.0	183.0	7.7	95.7	1.33	16.58
23.0-24.0	181.3	7.9	103.7	1.37	17.95
24.0-25.0	179.7	8.2	111.8	1.41	19.37
25.0-26.0	177.9	8.4	120.2	1.45	20.82
26.0-27.0	176.1	8.6	128.9	1.49	22.31
27.0-28.0	174.3	8.8	137.7	1.53	23.84
28.0-29.0	172.4	9.0	146.7	1.56	25.40
29.0-30.0	170.4	9.2	155.9	1.59	26.99
30.0-31.0	168.3	9.4	165.3	1.62	28.62
31.0-32.0	166.3	9.5	174.8	1.65	30.27
32.0-33.0	164.1	9.7	184.5	1.67	31.94
33.0-34.0	161.9	9.8	194.3	1.70	33.64
34.0-35.0	159.6	9.9	204.2	1.72	35.35
35.0-36.0	157.4	10.0	214.2	1.74	37.09

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:



## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	155.0	10.1	224.3	1.75	38.84
37.0-38.0	152.6	10.2	234.5	1.76	40.60
38.0-39.0	150.1	10.2	244.8	1.77	42.38
39.0-40.0	147.6	10.3	255.0	1.78	44.16
40.0-41.0	145.0	10.3	265.4	1.79	45.95
41.0-42.0	142.5	10.4	275.7	1.79	47.74
42.0-43.0	139.8	10.4	286.1	1.79	49.54
43.0-44.0	137.1	10.4	296.4	1.79	51.33
44.0-45.0	134.4	10.3	306.8	1.79	53.12
45.0-46.0	131.6	10.3	317.1	1.78	54.90
46.0-47.0	128.8	10.2	327.3	1.77	56.67
47.0-48.0	125.9	10.2	337.5	1.76	58.44
48.0-49.0	123.1	10.1	347.6	1.75	60.19
49.0-50.0	120.1	10.0	357.6	1.73	61.92
50.0-51.0	117.1	9.9	367.5	1.72	63.64
51.0-52.0	114.2	9.8	377.3	1.70	65.33
52.0-53.0	111.1	9.7	387.0	1.67	67.01
53.0-54.0	108.0	9.5	396.5	1.65	68.66
54.0-55.0	105.0	9.4	405.9	1.62	70.28
55.0-56.0	101.8	9.2	415.1	1.59	71.87
56.0-57.0	98.7	9.0	424.1	1.56	73.43
57.0-58.0	95.5	8.8	432.9	1.53	74.96
58.0-59.0	92.3	8.6	441.6	1.49	76.46
59.0-60.0	89.0	8.4	450.0	1.46	77.91
60.0-61.0	85.8	8.2	458.2	1.42	79.33
61.0-62.0	82.6	8.0	466.1	1.38	80.71
62.0-63.0	79.3	7.7	473.8	1.34	82.05
63.0-64.0	76.0	7.5	481.3	1.29	83.34
64.0-65.0	72.7	7.2	488.5	1.25	84.58
65.0-66.0	69.4	6.9	495.4	1.20	85.78
66.0-67.0	66.1	6.6	502.1	1.15	86.93
67.0-68.0	62.8	6.4	508.4	1.10	88.03
68.0-69.0	59.5	6.1	514.5	1.05	89.08
69.0-70.0	56.1	5.8	520.3	1.00	90.08
70.0-71.0	52.9	5.5	525.7	0.95	91.03
71.0-72.0	49.6	5.2	530.9	0.89	91.92

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	46.4	4.9	535.7	0.84	92.76
73.0-74.0	43.1	4.5	540.3	0.79	93.55
74.0-75.0	40.0	4.2	544.5	0.73	94.28
75.0-76.0	36.8	3.9	548.4	0.68	94.95
76.0-77.0	33.6	3.6	552.0	0.62	95.57
77.0-78.0	30.6	3.3	555.3	0.57	96.14
78.0-79.0	27.5	3.0	558.2	0.51	96.65
79.0-80.0	24.6	2.6	560.9	0.46	97.11
80.0-81.0	21.6	2.3	563.2	0.40	97.52
81.0-82.0	18.8	2.0	565.2	0.35	97.87
82.0-83.0	16.0	1.7	567.0	0.30	98.17
83.0-84.0	13.2	1.4	568.4	0.25	98.42
84.0-85.0	10.6	1.2	569.6	0.20	98.62
85.0-86.0	8.1	0.9	570.5	0.15	98.77
86.0-87.0	5.7	0.6	571.1	0.11	98.88
87.0-88.0	3.4	0.4	571.5	0.07	98.95
88.0-89.0	1.6	0.2	571.6	0.03	98.98
89.0-90.0	0.6	0.1	571.7	0.01	98.99
90.0-91.0	0.4	0.0	571.8	0.01	99.00
91.0-92.0	0.4	0.0	571.8	0.01	99.00
92.0-93.0	0.4	0.0	571.8	0.01	99.01
93.0-94.0	0.4	0.0	571.9	0.01	99.02
94.0-95.0	0.4	0.0	571.9	0.01	99.03
95.0-96.0	0.4	0.0	572.0	0.01	99.03
96.0-97.0	0.4	0.0	572.0	0.01	99.04
97.0-98.0	0.4	0.0	572.0	0.01	99.05
98.0-99.0	0.4	0.0	572.1	0.01	99.06
99.0-100.0	0.4	0.0	572.1	0.01	99.06
100.0-101.0	0.5	0.1	572.2	0.01	99.07
101.0-102.0	0.5	0.1	572.2	0.01	99.08
102.0-103.0	0.5	0.1	572.3	0.01	99.09
103.0-104.0	0.5	0.1	572.3	0.01	99.10
104.0-105.0	0.5	0.1	572.4	0.01	99.11
105.0-106.0	0.6	0.1	572.5	0.01	99.12
106.0-107.0	0.6	0.1	572.5	0.01	99.13
107.0-108.0	0.6	0.1	572.6	0.01	99.14

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.6	0.1	572.7	0.01	99.15
109.0-110.0	0.6	0.1	572.7	0.01	99.17
110.0-111.0	0.7	0.1	572.8	0.01	99.18
111.0-112.0	0.7	0.1	572.9	0.01	99.19
112.0-113.0	0.7	0.1	572.9	0.01	99.20
113.0-114.0	0.7	0.1	573.0	0.01	99.22
114.0-115.0	0.8	0.1	573.1	0.01	99.23
115.0-116.0	0.8	0.1	573.2	0.01	99.24
116.0-117.0	0.8	0.1	573.2	0.01	99.26
117.0-118.0	0.8	0.1	573.3	0.01	99.27
118.0-119.0	0.9	0.1	573.4	0.01	99.28
119.0-120.0	0.9	0.1	573.5	0.01	99.30
120.0-121.0	0.9	0.1	573.6	0.01	99.31
121.0-122.0	0.9	0.1	573.7	0.01	99.33
122.0-123.0	0.9	0.1	573.7	0.02	99.34
123.0-124.0	1.0	0.1	573.8	0.02	99.36
124.0-125.0	1.0	0.1	573.9	0.02	99.37
125.0-126.0	1.0	0.1	574.0	0.02	99.39
126.0-127.0	1.0	0.1	574.1	0.02	99.40
127.0-128.0	1.1	0.1	574.2	0.02	99.42
128.0-129.0	1.1	0.1	574.3	0.02	99.44
129.0-130.0	1.1	0.1	574.4	0.02	99.45
130.0-131.0	1.1	0.1	574.5	0.02	99.47
131.0-132.0	1.1	0.1	574.6	0.02	99.49
132.0-133.0	1.2	0.1	574.7	0.02	99.50
133.0-134.0	1.2	0.1	574.8	0.02	99.52
134.0-135.0	1.2	0.1	574.9	0.02	99.53
135.0-136.0	1.2	0.1	574.9	0.02	99.55
136.0-137.0	1.2	0.1	575.0	0.02	99.57
137.0-138.0	1.3	0.1	575.1	0.02	99.58
138.0-139.0	1.3	0.1	575.2	0.02	99.60
139.0-140.0	1.3	0.1	575.3	0.02	99.61
140.0-141.0	1.3	0.1	575.4	0.02	99.63
141.0-142.0	1.3	0.1	575.5	0.02	99.65
142.0-143.0	1.3	0.1	575.6	0.02	99.66
143.0-144.0	1.4	0.1	575.7	0.02	99.68

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Zonal Lumen (Continue 4)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.4	0.1	575.8	0.02	99.69
145.0-146.0	1.4	0.1	575.9	0.02	99.71
146.0-147.0	1.4	0.1	575.9	0.01	99.72
147.0-148.0	1.4	0.1	576.0	0.01	99.74
148.0-149.0	1.5	0.1	576.1	0.01	99.75
149.0-150.0	1.5	0.1	576.2	0.01	99.77
150.0-151.0	1.5	0.1	576.3	0.01	99.78
151.0-152.0	1.5	0.1	576.4	0.01	99.79
152.0-153.0	1.5	0.1	576.4	0.01	99.81
153.0-154.0	1.5	0.1	576.5	0.01	99.82
154.0-155.0	1.5	0.1	576.6	0.01	99.83
155.0-156.0	1.5	0.1	576.6	0.01	99.84
156.0-157.0	1.6	0.1	576.7	0.01	99.86
157.0-158.0	1.6	0.1	576.8	0.01	99.87
158.0-159.0	1.6	0.1	576.8	0.01	99.88
159.0-160.0	1.6	0.1	576.9	0.01	99.89
160.0-161.0	1.6	0.1	577.0	0.01	99.90
161.0-162.0	1.6	0.1	577.0	0.01	99.91
162.0-163.0	1.6	0.1	577.1	0.01	99.92
163.0-164.0	1.6	0.1	577.1	0.01	99.93
164.0-165.0	1.7	0.0	577.2	0.01	99.94
165.0-166.0	1.7	0.0	577.2	0.01	99.94
166.0-167.0	1.7	0.0	577.3	0.01	99.95
167.0-168.0	1.7	0.0	577.3	0.01	99.96
168.0-169.0	1.7	0.0	577.3	0.01	99.97
169.0-170.0	1.7	0.0	577.4	0.01	99.97
170.0-171.0	1.7	0.0	577.4	0.01	99.98
171.0-172.0	1.7	0.0	577.4	0.00	99.98
172.0-173.0	1.7	0.0	577.5	0.00	99.99
173.0-174.0	1.7	0.0	577.5	0.00	99.99
174.0-175.0	1.7	0.0	577.5	0.00	99.99
175.0-176.0	1.8	0.0	577.5	0.00	100.00
176.0-177.0	1.8	0.0	577.5	0.00	100.00
177.0-178.0	1.8	0.0	577.5	0.00	100.00
178.0-179.0	1.8	0.0	577.5	0.00	100.00
179.0-180.0	1.8	0.0	577.5	0.00	100.00

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector: